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January 3, 2005

Receiver: Examiner Richard J. Lee
Art Unit 2613

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Sender: Behfar Bastani-Booshehri, Reg. No. 52,599

Re: Amendment Transmittal (1 pg.)
Amendment A (9 pgs.)
Application No. 09/874,587
Attorney Docket No. CISC249

Pages Including Cover Sheet(s): 11

MESSAGE:

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Winger

Attorney Docket No.: CISC249

Application No.: 09/874,587

Examiner: Lee, Richard J.

Filed: June 04, 2001

Art Unit: 2613

Title: SOURCE ADAPTIVE SYSTEM AND
METHOD FOR 2D iDCT

Confirmation No. 5663

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted by facsimile to fax number 703-872-9306 to the U.S. Patent and Trademark Office on January 3, 2005.

Signed: 

Agnes Spence

AMENDMENT TRANSMITTAL

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

	Claims After Amendment		Highest Previously Paid For	Present Extra	Small Entity Rate Fee	Large Entity Rate Fee
Total Claims	16	MINUS	20	0	x 25 =	x 50 =
Independent Claims	8	MINUS	4	4	x 100 =	x 200 = 800.00
Multiple Dependent Claim Present and Fee Not Previously Paid					\$180.00	\$360.00
Total					\$	\$800.00

- ☒ Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 500388.
- ☒ Please charge the required fees, or any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 500388 (Order No. CISC249).

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP


Behfar Bastani-Booshehri
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Application No.: 09/874,587

Examiner: Lee, Richard J.

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Agnes Spence

AMENDMENT A

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated October 5th, 2004, please amend the above-identified application as follows:

Amendments to the Disclosure are shown on page 2 of this paper.

Amendments to the Claims are reflected in the listing of Claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 7 of this paper.

Amendments to the Disclosure:

1. Please amend paragraph 3 on page 2 of the application as follows:

"The present invention relates to a system and method for the reduction of iDCT execution time. Hereinafter, the phrase "End of Block" is abbreviated using the acronym "EOB"."

2. Please amend paragraphs 2-3 on page 17 of the application as follows:

"1) EOB address probability distributions may vary significantly for different video shots and different bit rates. For this reason, the optimal mix of iDCT routines will vary from shot to shot. A shot is a sequence of frames bounded on each side by a video transition, for example a cut frame, a dissolve, or a cross-dissolve. Average histograms for B-frames (the most common frames) contained in both commercially compressed and reference model MPEG-2 compressed 'Football', 'Space Station', 'Flower Garden', and 'Sony' sequences are shown in Figure 3. ~~These shots are available at:~~

~~<ftp://mm-ftp.es.berkeley.edu/pub/multimedia/mpeg/movies/bitstreams/video>~~."

3. Please amend the last paragraph on page 17 of the application as follows:

"2) Within a shot and over spans of a few hundred frames EOB histograms often show little significant variance. Therefore, the optimal mix of iDCT routines remains fairly static within an individual shot. Figure 4 shows superimposed B-frame histograms for the commercially encoded 'DVM Demo' sequence at 4 Mbps. ~~This sequence is available at:~~

~~<ftp://ftp.darvision.com/pub/mpegs>~~."

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